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### Mullard DDR100 accelerometer double diode



This valve measures 73x32mm overall and has an 8 pin Loctal base.

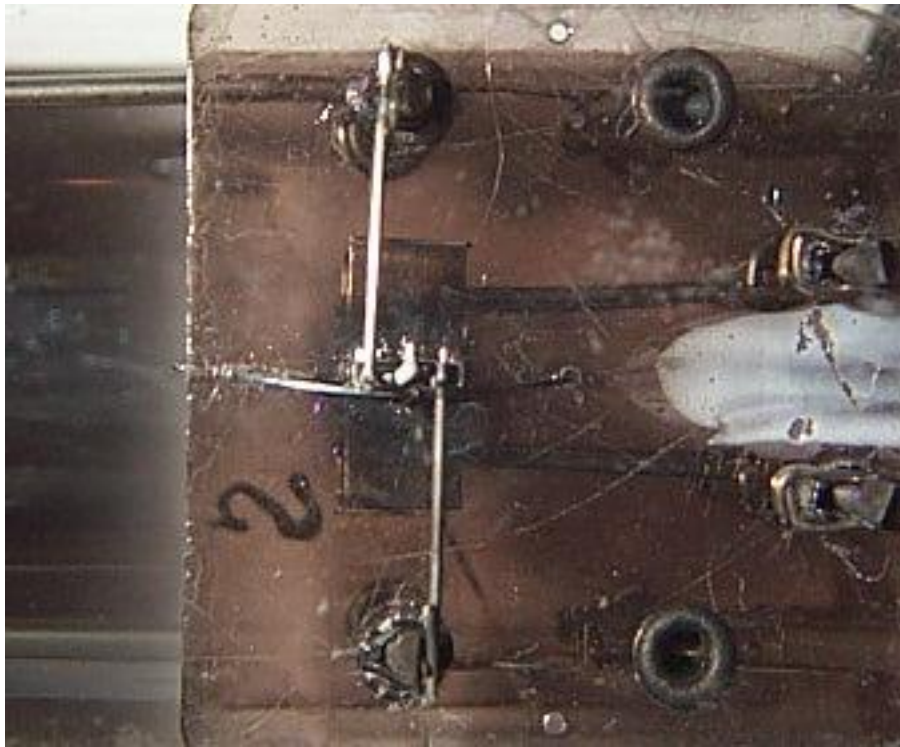
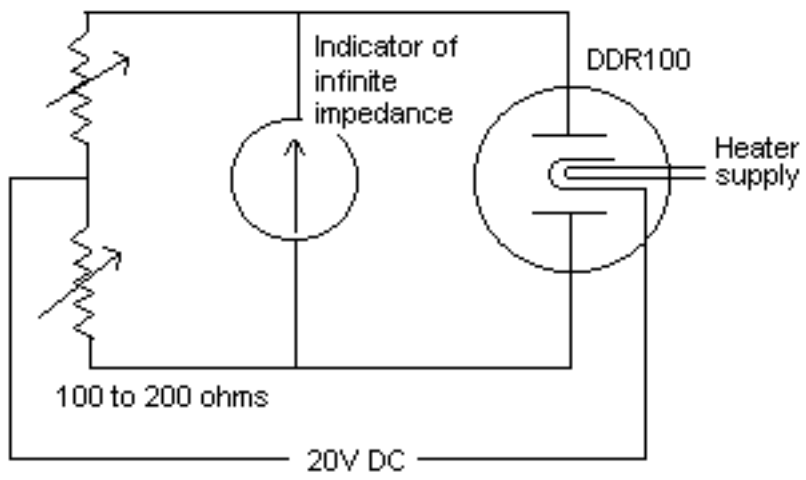


This valve is a double diode with the anodes elastically supported so that the anode impedance is varied when subjected to acceleration. When arranged in a bridge circuit the out-of-balance voltage produced by the variation in anode impedance is a linear function of the acceleration.

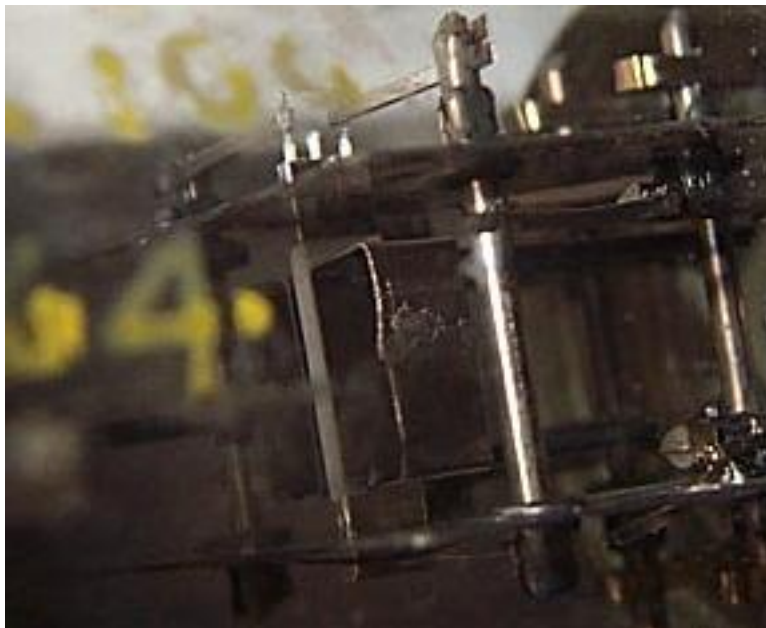
The frequency range over which the response to a sinusoidal acceleration can be considered independent of frequency is 0 to 250Hz.

Heater voltage	6.3V
Heater current	600mA
Characteristics (in bridge circuit)	
Max anode voltage	10V
Max anode current	60mA
Max acceleration	100g
Resonant frequency	1kHz
Sensitivity (across bridge)	7.5mV/g

100 to 200 ohms



Two details of the internal structure.



Pin	Function
1	Anode '
2	Heater
3	n/c
4	Anode '
5	Anode ''
6	Cathode
7	Heater
8	Anode ''